

Claims

1.-21. (cancelled)

22. (new) A method for transporting material, wherein at least one mobile transport mechanism is detected using at least one data processing device, the method comprising:

emitting signals by a detection device connected to the transport mechanism; and

sending signals back to the detection device by response units, wherein

the detection device determines the position coordinates and the position angle of the transport mechanism for verifying a storage location for material by using at least one reference coordinates system.

23. (new) The method according to Claim 22, wherein the current speed of the transport mechanism is determined.

24. (new) The method according to Claim 22, wherein the position coordinates of the transport mechanism are automatically calibrated to a material-relevant point.

25. (new) The method according to Claim 22, wherein the position coordinates are supplemented by at least one area identifier.

26. (new) The method according to Claim 22, wherein the data processing device determines the type of storage of the material from the position angle.

27. (new) The method according to Claim 22, wherein the detection device emits radar signals.

28. (new) The method according to Claim 22, wherein data is transmitted between the detection device and a data processing device connected to the transport mechanism.

29. (new) The method according to Claim 22, wherein data is transmitted between the detection device and/or a data processing device connected to the transport mechanism and a stationary data processing device.

30. (new) The method according to Claim 29, wherein the data is transmitted wirelessly.

31. (new) The method according to Claim 29, wherein material transport is controlled by the stationary data processing device and the transmitted data.

32. (new) The method according to Claim 29, wherein a storage inventory with discrete storage locations is verified and provided by the stationary data processing device and the transmitted data.

33. (new) The method according to Claim 22, wherein transport instructions, position, and/or material information is displayed visually using the data processing device connected to the transport mechanism.

34. (new) A material transport system, comprising:

at least one data processing device;

at least one detection device for detecting a mobile transport mechanism, wherein the detection device is connected to the transport mechanism, wherein the detection device has means for sending and receiving signals; and

stationary response units for receiving signals from the detection device and for sending back signals, by means of which and by at least one reference coordinates system the detection device determines the position coordinates and the position angle, wherein

the data processing device and/or the detection device comprise mechanisms for verifying a storage location for material.

35. (new) The material transport system according to claim 34, wherein the detection device determines the current speed of the transport mechanism.

36. (new) The material transport system according to claim 34, wherein the data processing device and/or the detection device has a module for calibrating the position coordinates of the transport mechanism to a material-relevant point.

37. (new) The material transport system according to claim 34, wherein the data processing device has a module for supplementing the position coordinates with at least one area identifier.

38. (new) The material transport system according to claim 34, wherein the data processing device has a module for determining a type of storage of the material from the position angle.

39. (new) The material transport system according to claim 34, wherein the detection device is configured as a radar device.

40. (new) The material transport system according to claim 34, wherein the detection device is linked to a data processing device connected to the transport mechanism.

41. (new) The material transport system according to claim 34, wherein the detection device and/or a data processing device connected to the transport means and a stationary data processing device are connected for transmitting data.

42. (new) The material transport system according to claim 34, further comprising a stationary data processing device for controlling the transport of materials.

43. (new) The material transport system according to claim 42, wherein the stationary data processing device is adapted for verifying and providing a storage inventory with discrete storage locations.

44. (new) The material transport system according to claim 34, wherein the data processing device connected to the transport mechanism is connected to a device for the visual display of transport instructions, position, and/or material information.